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AMENDMENTS TO THE CLAIMS

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1-19 (Canceled)

20. (Currently amended) An electrolytic capacitor comprising a capacitor element, a case containing the capacitor element, and a sealant with which the case is sealed, the capacitor element comprising a pair of electrode foils each comprising a dielectric, a separator for isolating the electrode foils from each other, and an electrolytic solution filled between the electrode foils, wherein the electrolytic solution is the electrolytic solution for use in an electrolytic eapaeitor according to claim 1.comprising a solvent and a solute, wherein water accounts for from more than 80% to 100% by weight of the solvent, the solute is selected from a carboxylic acid or a salt thereof and an inorganic acid or a salt thereof, and further comprises one or more compounds selected from a nitro compound, a nitroso compound or a salt thereof, a chelete forming compound or a salt thereof, saccharides, a phosphoric acid compound or a derivative thereof, a watersoluble polymer and a silane coupling agent alone or in combination, and 'the total solute content is from 1.5 to 44% by weight, and in which the content of the carboxylic acid-based electrolytes is within a range from 0.5 to 35% by weight, and wherein the electrolytic solution has a specific resistance at 30°C of 65 Ω cm or less, and the sealant comprising isoprene-isobutylene rubber.

- 21. (Original) The electrolytic capacitor according to claim 20, wherein the separator of the capacitor has a space in which ions are capable of migrating between the electrode foils even under low temperature conditions, and has a density of 0.5 or less.
- 22. (Previously Presented) The electrolytic capacitor according to claim 20, wherein the separator comprises fibers fixed with a binder soluble in the electrolytic solution.
- 23. (Previously Presented) The electrolytic capacitor according to claim 20, wherein the case is made of a non-heat-treated aluminum having purity of 99.0% or higher.

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24. (Previously Presented) The electrolytic capacitor according to claim 20, wherein the case is

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made of an aluminum alloy containing manganese and/or magnesium.

25. (Previously Presented) The electrolytic capacitor according to claim 20, wherein the sealant

comprises a resin-vulcanized isoprene-isobutylene rubber or a peroxide-vulcanized isobutylene-

isoprene rubber.

26. (Previously Presented) The electrolytic capacitor according to claim 20, further comprising

external terminals of a copper or silver wire.

27. (Previously Presented) The electrolytic capacitor according to claim 20, which is used at a

temperature of -40°C or higher.

28. (Previously Presented) The electrolytic capacitor according to claim 20, which is used at a

temperature of -25°C or higher.

29. (New) The electrolytic capacitor according to claim 20, wherein the content of water is from

more than 90% by weight to 100% by weight based on the solvent.

30. (New) The electrolytic capacitor according to claim 20, wherein the solvent comprises water

and at least one organic solvent and the organic solvent is selected

from the group of protonic organic solvents consisting of monohydric alcohols including methyl

alcohol, ethyl alcohol, propyl alcohol and butyl alcohol, dihydric

alcohols including ethylene glycol, diethylene glycol and triethylene glycol, and trihydric alcohols

including glycerin, and the group of aprotic solvents consisting of y-butyrolactone, propylene

carbonate and sulfolane.

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- 31. (New) The electrolytic capacitor according to claim 20, wherein the total solute content is from 23.5 to 44% by weight.
- 32. (New) The electrolytic capacitor according to claim 20, wherein the total solute content is from 1.5 to 5% by weight.
- 33. (New) The electrolytic capacitor according to claim 20, wherein the carboxylic acid or salt thereof is selected from the group consisting of formic acid, acetic acid, propionic acid, butyric acid, salicylic acid, borodisalicylic acid, nitrobenzoic acid, dinitrobenzoic acid, hydroxybenzoic acid, oxalic acid, malonic acid, succinic acid, glutaric acid, adipic acid, fumaric acid, maleic acid, phthalic acid, azelaic acid, sebacic acid, citric acid and hydroxybutyric acid, and ammonium, sodium, potassium, amine and alkylammonium salts thereof, and is contained in the amount of 0.5 to 44% by weight based on the total amount of the electrolytic solution.
- 34. (New) The electrolytic capacitor according to claim 20, wherein the inorganic acid or salt thereof is selected from the group consisting of carbonic acid, hypophosphorous acid, phosphorous acid, boric acid and sulfamic acid, and ammonium, sodium, potassium, amine and alkylarnmonium salts thereof, and is contained in the amount of 1 to 20% by weight based on the total amount of the electrolytic solution.
- 35. (New) The electrolytic capacitor according to claim 20, wherein the water-soluble polymer is a synthetic or natural polymer having a molecular weight of 100 to 2,000,000.
- 36. (New) The electrolytic capacitor according to claim 35, wherein the synthetic polymer is selected from the group consisting of polyacrylic acid, polymethacrylic acid, polyacrylamidepolyvinyl alcohol and polyethylene oxide, and a salt, an ester or a derivative thereof, and the natural polymer is polyalginic acid or poly γ -glutamic acid.

37. (New) The electrolytic capacitor according to claim 20, wherein the nitro compound is selected

from the group consisting of nitrophenol, dinitrophenol, nitrobenzoic acid, dinitrobenzoic acid,

trinitrobenzoic acid, nitroanisole, nitroacetophenone, aminonitrobenzoic acid, nitrosalicylic acid and

nitroguanidine, and a salt or derivative thereof, and the nitroso compound is selected from the group

consisting of nitrosobenzoic acid, nitrosonaphthol, nitrosophenol and copperon, and a salt or

derivative thereof.

38. (New) The electrolytic capacitor according to claim 37, wherein the nitro compound and/or the

nitroso compound is/are contained in the amount of 0.05 to 10% by weight based on the total

amount of the electrolytic solution.

39. (New) The electrolytic capacitor according to claim 20, wherein the chelete forming compound

is selected from the group consisting of ethylenediaminetetraacetic acid, trans-1, 2-

diaminocyclohexane-N,N,N',N'-tetraacetic acid monohydrate, dihydroxyethylglycine,

ethylenediaminetetrakis(methylenesulfonic acid), diethylenetriamine-N,N,N',N' '-N" pentaacetic

acid, citric acid, diaminopropanoltetraacetic acid, ethylenediaminediacetic acid, ethylenediamine-N,

N'-bis (methylenesulfonic acid) 1/2 hydrate, glycol ether

diaminetetraacetic acid and hydroxyethylethylenediaminetriacetic acid.

40. (New) The electrolytic capacitor according to claim 39, wherein the chelete forming compound

is contained in the amount of 0.01 to 5% by weight based on the total amount of the electrolytic

solution.

41. (New) The electrolytic capacitor according to claim 20, wherein the saccharides are selected

from the group consisting of monosaccharides, disaccharides, trisaccharides, polysaccharides, and a

derivative thereof.

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42. (New) The electrolytic capacitor according to claim 41, wherein the saccharides are contained in the amount of 0.01 to 10% by weight based on the total amount of the electrolytic solution.

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